## GENERAL NOTES:

1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE

2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED &

INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.

3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.

SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR

4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH PROTOCALS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT DOORS.

THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET

THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC).

6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.

7. ALL ANCHORS SECURING DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE

FRAMING SHALL BE CAPABLE OF NESSISTING CORNOSION CHOSED BY THE PRESSURL TREATING CHEMICALS IN THE WOOD.

8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING HIESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WITH OLLOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, A DIRECTIONALITY FACTOR OF KD = 0.85 MAY. BE APPLIED PER THE ASCE-7 STANDARD.

9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF

THIS PRODUCT. WIND LOAD DURATION FACTOR CD = 1.6 WAS USED FOR WOOD SCRIPW ANALYSIS ONLY.

10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL BE SEPARATED OR COATED AS REQUIRED TO AVOID CORROSION OF EITHER MATERIAL.

11. TO THE BEST OF OUR KNOWLEDGE, THE DOOR SYSTEMS SHOWN HEREIN ARE QUALITY ASSURED BY AN APPROVED CERTIFICATION/QA ENTITY & SHALL BE LABELED QUALITY ASSURED BY AN APPROVED CENTIFICATION OF THESE DRAWINGS SHOW ALL APPLICABLE ELEVATION, COMBINATION, INSTALLATION & COMPARATIVE ANALYSIS.

CONDITIONS AS DETERMINED THROUGH TESTING & ENGINEERING RATIONAL ANALYSIS. DOOR ASSEMBLY SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, THE

DOUR ASSEMBLT SHALL BE IN ACCORDANCE WITH FIRES COMMISS, THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.

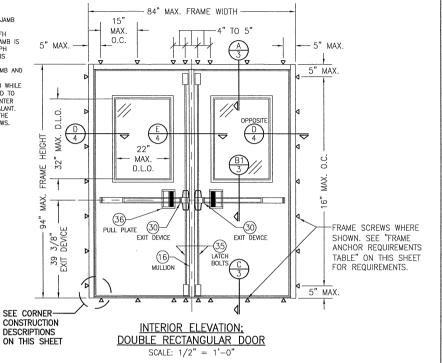
12. CERTIFICATION OF THESE DOOR SYSTEMS SHALL BE CONSIDERED VOID IF THEY ARE INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT OR IF THEY ARE INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH DOOR INSTALLATIONS.

EVALUATION OF THIS PRODUCT IS BASED ON APPLICABLE STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE BUILDING CODE VERSION CONSIDERED WITH THIS EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT NEW OR ADDITIONAL TESTING IS COMPLETED ON THIS PRODUCT, PRIOR TO STATING CODE COMPLETING. THE MANUFACTURER SHALL CONFIRM WITH THE EVALUATION ENGINEER OF RECORD THAT EVERYTHING SPECIFIED HERE-IN IS CURRENT WITH ALL CURRENT TESTING, CODES AND APPLICABLE STANDARDS.

NOTE: THESE DOOR UNITS ARE NOT WATER RATED AND THUS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR.

CORNER CONSTRUCTION:
FRAME HEAD CORNERS: THE HEAD FRAME BUTTS TO THE SIDE JAMB
AND IS SECURED WITH SHEAR BLOCK PART NO. 21. HEAD IS SECURED TO THE SHEAR BLOCK WITH 5 NO. 12 X 1/2" S.S. FH SCREWS THROUGH THE HEAD AND INTO THE SHEAR BLOCK. JAMB IS SECURED TO THE SHEAR BLOCK WITH 3 NO. 12 X 5/8" S.S. PH SCREWS THROUGH THE SHEAR BLOCK INTO THE JAMB. JOINT IS COMPLETELY SEALED WITH SEALANT FRAME SILL CORNERS: THE THRESHOLD BUTTS TO THE SIDE JAMB AND

IS SECURED WITH A 1 1/2" X 3/4" X 1/8" X 1 1/2" LONG
ALUMINUM ANGLE PART NO. 25 (3/4" LEG IS SET INSIDE JAMB WHILE 1 1/2" LEG SITS UNDER THE THRESHOLD). ANGLE IS SECURED TO EACH THE JAMB AND THRESHOLD WITH 2 NO. 10 X 1/2" COUNTER SUNK FHMS SCREWS. JOINT IS COMPLETELY SEALED WITH SEALANT. DOOR LEAF TOP & BOTTOM CORNERS: RAILS ARE BUTTED TO THE STILES AND CONNECTED WITH 4 NO. 10 X 1/2" S.S. FH SCREWS.



ALLOWABLE DESIGN PRESSURE

(DOUBLE DOORS)

+/-65 PSF

FRAME ANCHOR REQUIREMENTS TABLE						
FRAME SCREWS						
OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 12 SMS OR WOOD SCREW	1 1/4"	3/4"			
MIN. 18 GA. 33 KSI METAL STUD	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"			
MIN. 1/8" THK A36 STEEL	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"			
MIN. 1/8" THK 6063-T5 ALUM.	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"			
MIN. C-90 CMU	(1) 1/4" CONCRETE SCREW	1 1/4"	2"			
MIN. 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/2"	2"			
	AND THE STATE OF T					

(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S OR S.S.)

HESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODU SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURES ATED ON THESE DRAWINGS

CONSULTING, P.A. (REG. NO. F—1. 7480 150TH COURT NORTH PAUR BECH GARRES, P. 33418 PHONE: S11-744-342, E C 60) 8 AN

W.W.S.

W.W.S.

DATE: 01/23/17

COMMERCIAL DOOR SYSTEMS 10021 COMMERCE PARK DRIVE CINCINNATI, OH 45246 800-543-4455

DOORS

IMPACT

OUT-SWING

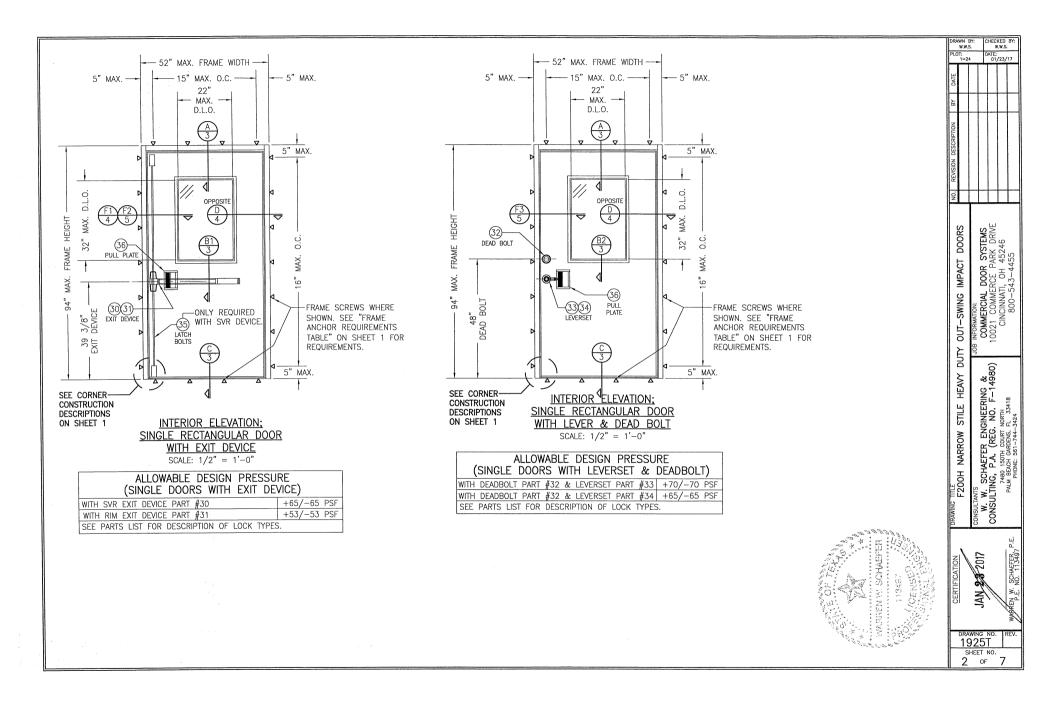
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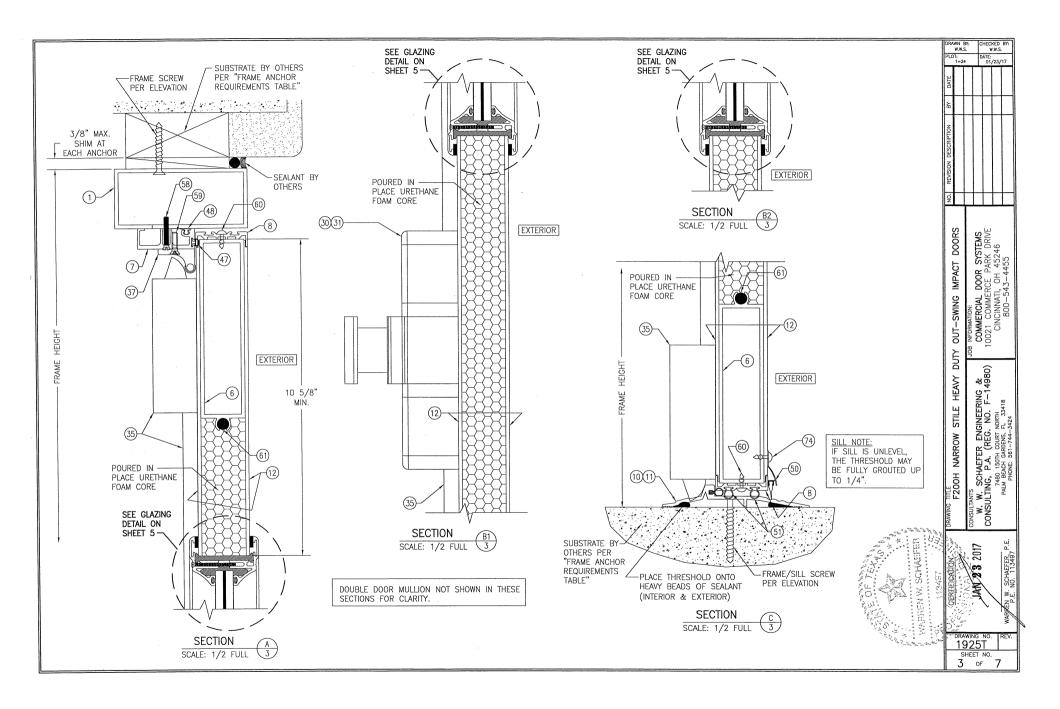
HEAVY

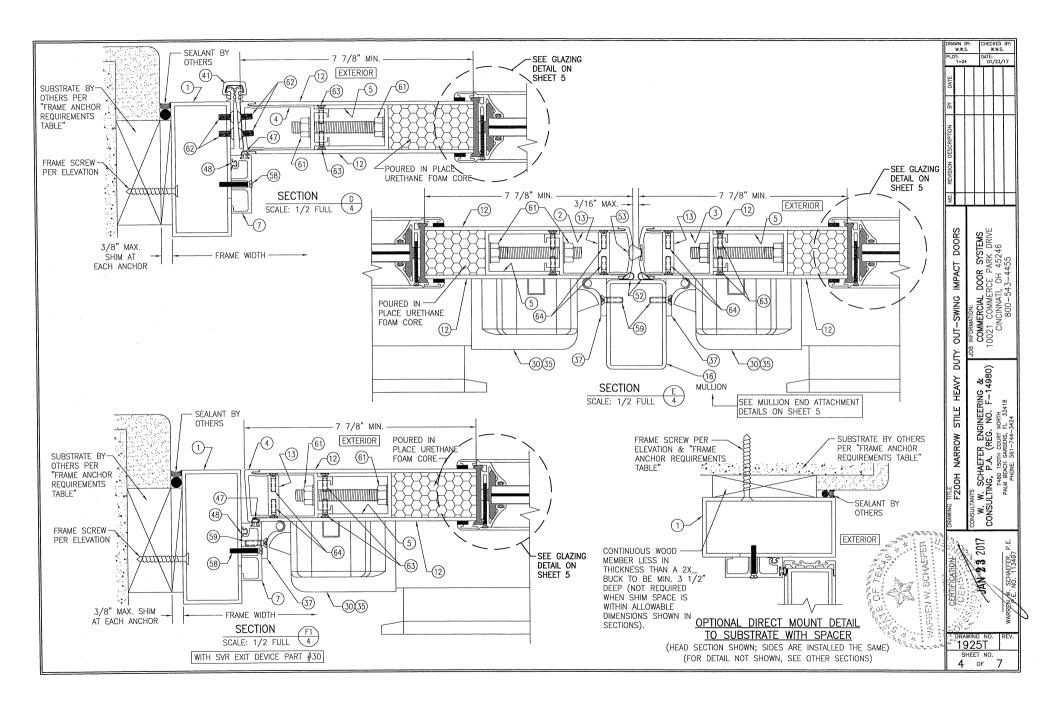
STILE

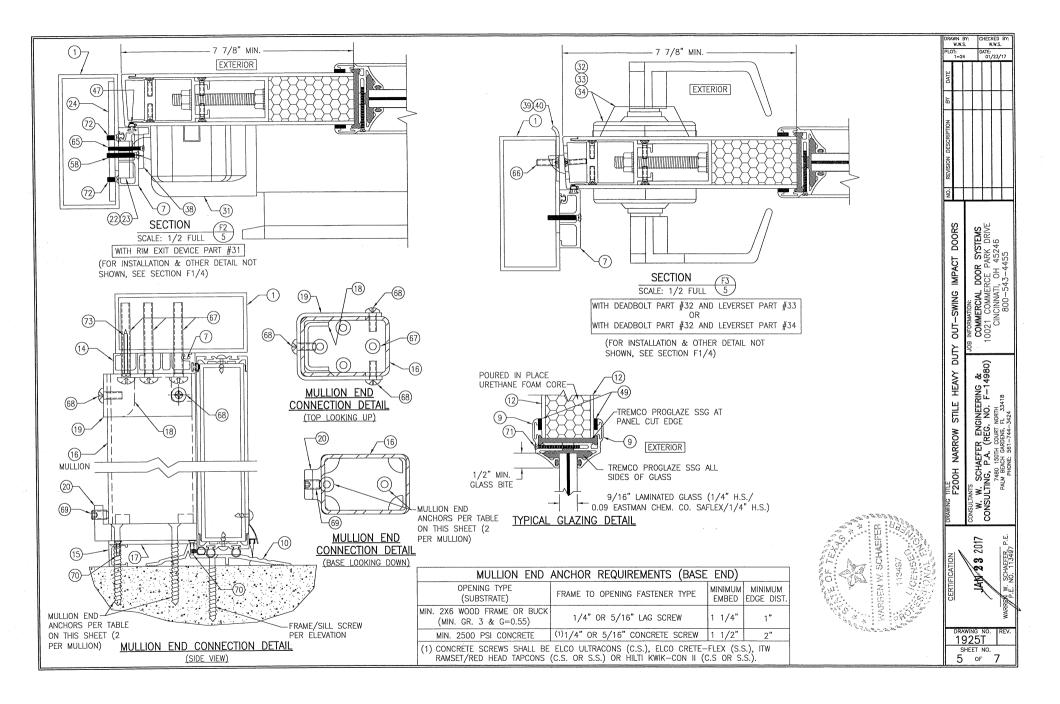
F200H NARROW

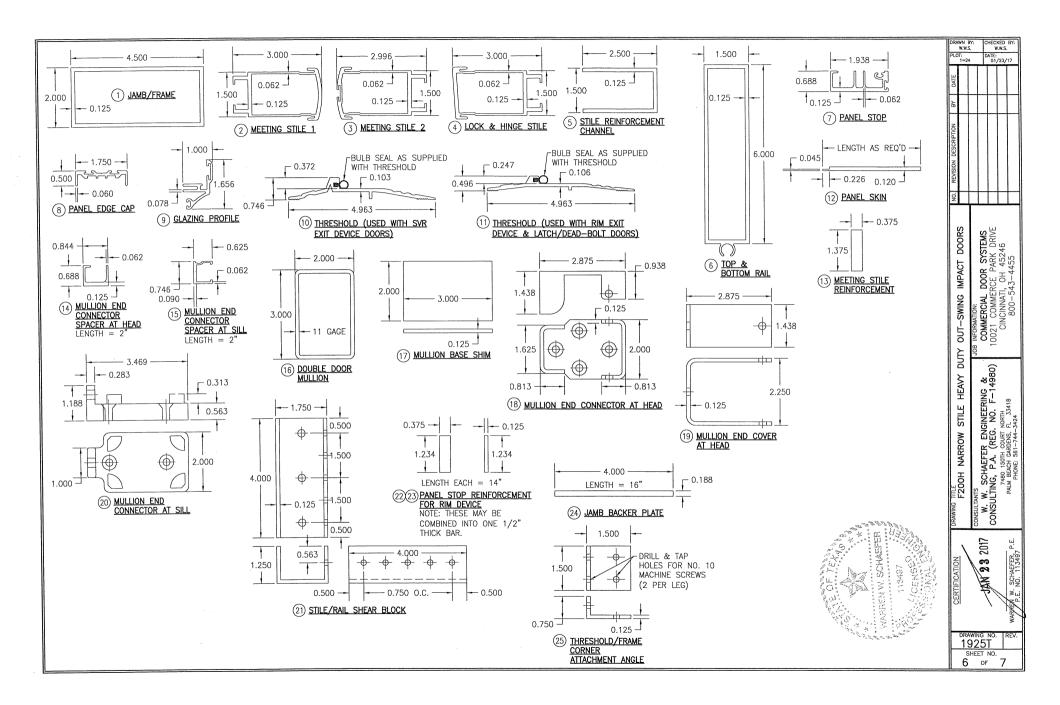
1925T SHEET NO. OF











ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES	
	PARTS		
1	JAMB/FRAME	6063—T6 ALUMINUM	
2	MEETING STILE 1	6063-T6 ALUMINUM	
3	MEETING STILE 2	6063-T6 ALUMINUM	
4	LOCK & HINGE STILE	6063-T6 ALUMINUM	
5	STILE REINFORCEMENT CHANNEL	6063-T6 ALUMINUM	
6	TOP & BOTTOM RAIL	6063-T6 ALUMINUM	
7	PANEL STOP	6063-T5 ALUMINUM	
8	PANEL TOP & BOTTOM EDGE CAP	6063-T5 ALUMINUM	
9	GLAZING PROFILE	6063—T6 ALUMINUM	
10	3/8" THRESHOLD (USED WITH SVR EXIT DEVICE DOORS)	REESE S486A-PR (ALUMINUM)	
11	1/4" THRESHOLD (USED WITH RIM EXIT DEVICE & LATCH/DEAD-BOLT DOORS)	REESE S483A-PR (ALUMINUM)	
12	PANEL SKIN	LAYERED AND BONDED FIBERGLASS	
13	MEETING STILE RENIFORCEMENT	CONTINUOUS ALUMINUM BAR STOCK	
14	MULLION END CONNECTOR SPACER AT HEAD	6063-T6 ALUMINUM	
15	MULLION END CONNECTOR SPACER AT SILL	6063-T6 ALUMINUM	
16	DOUBLE DOOR MULLION	STEEL	
17	MULLION BASE SHIM	6063—T6 ALUMINUM	
18	MULLION END CONNECTOR AT HEAD	VON DUPRIN NO. 4954 FITTING	
19	MULLION END COVER AT HEAD	VON DUPRIN NO. 4754/4854/4954 FITTING	
20	MULLION END CONNECTOR AT SILL	VON DUPRIN NO. 4954 FITTING	
21	STILE/RAIL SHEAR BLOCK	6063-T6 ALUMINUM	
22	1/8" THICK PANEL STOP REINFORCEMENT	ALUMINUM	
23	3/8" THICK PANEL STOP REINFORCEMENT	ALUMINUM	
24	JAMB BACKER PLATE	STEEL (APPLICABLE ONLY WITH RIM EXIT DEVICE)	
25	FRAME/THRESHOLD CORNER ANGLE	6063-T6 ALUMINUM	
	HARDWARE		
30	SVR EXIT DEVICE	VON DUPRIN 9957 3-POINT LATCH DEVICE	
31	RIM EXIT DEVICE	VON DUPRIN 99EO RIM ONLY DEVICE	
32	SINGLE CYLINDER DEADBOLT	SCHLAGE B660P	
33	MORTISE LOCK LEVER SET	SCHLAGE L9466P	
34	PRIVACY LEVERSET	SCHLAGE ND40S 161	
35	TOP & BOTTOM VERTICAL ROD LATCH BOLTS	VON DUPRIN 050402 (USED WITH SVR EXÎT DEVICE)	
36	RECESSED FLUSH PULL	CDS-P2	
37	TOP LATCH & DEVICE STRIKE	VON DUPRIN 299	
38	HALF MORTISE STRIKE	VON DUPRIN 1606	
39	LEVERSET STRIKE	SCHLAGE 10-025	
40	DEADBOLT STRIKE	SCHLAGE 10-055	
41	CONTINUOUS GEAR HINGE	SELECT HINGES NO. SL11-CL-HD	
	SEALS & SEALAN		
47	BULB WEATHERSTRIP AT PANEL STOPS	REESE NO. S485 (FPVC)	
48	PANEL STOP SEAL	REED 3737NP-150	
49	3/16" X 1/4" BUTYL 2-SIDED GLAZING TAPE	GT SERIES BY C. R. LAURENCE CO.	
50	DOOR SWEEP	REESE 353C	
51	BULB WEATHERSTRIP AT BOTTOM RAIL	EFCO NO. W138	
52	MEETING STILE TO MULLION WEATHERSTRIP	PEMCO S88D20	
53	MEETING STILE NYLON BRUSH WEATHERSTRIP	AMESBURY TRUTH NO. 85945011-6	
	FASTENERS		
58	NO. 8 X 1 1/4" FH SCREWS	WITHIN 3 1/4" OF ENDS AND MAX. 12 1/4" O.C.	
59	NO. 10-24 X 3/4" CSK MACHINE SCREW	2 PER STRIKE	
60	NO. 6 X 1/2" PH SCREWS	WITHIN 3" OF ENDS AND MAX. 12" O.C.	
61	3/8" THREADED ROD WITH LOCKNUTS	5 PER PANEL (STEEL)	

Ti	TEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES	
Г		FASTENERS (CONTINUED)		
	62	NO. 12 X 1/2" FH HINGE SCREWS	APPROX. 1.5", 3.5" & 5.5" FROM EACH END & MAX. 10" O.C. BETWEEN (STAGGERED EA. LEAF)	
	63	NO. 8 X 5/8" FH SCREWS	1" FROM ENDS AND 8" O.C.	
	64	NO. 8 X 1/2" FH SCREWS	2" FROM ENDS AND 8" O.C.	
	65	NO. 10-24 X 1 1/2" OVAL HEAD SCREWS	2 PER STRIKE	
	66	NO. 12-24 WMS (M6) X 3/4" SS SCREWS	2 EACH AT STRIKE AND REINFORCING PLATE	
	67	5/16-18 X 2 1/2" PPHMS	4 PER MULLION END CONNECTOR	
Г	68	1/4-20 X 5/8" PPHMS	3 PER CONNECTOR COVER	
	69	5/16-18 X 1/2" SOCKET HEAD SET SCREW	1 PER MULLION BASE CONNECTOR	
	70	NO. 6 X 1/2" SMS SCREWS	2 EACH AT THRESHOLD AND SPACER (4 TOTAL)	
Г	71	NO. 8 X 1 1/2" OVAL HEAD SCREWS	1" & 2" FROM CORNERS AND 5" O.C.	
	72	NO. 12-24 X 1/2" MACHINE SCREWS	4 PER BACKER PLATE	
	73	NO. 6 X 1 1/2" PH SCREWS	2 PER MULLION END CONNECTOR SPACER	
	74	SMS SCREWS	AS REQUIRED TO PROPERLY SECURE SWEEP	



JOB INFORMATION:
COMMERCIAL DOOR SYSTEMS
10021 COMMERCE PARK DRIVE
CINCINNAM, OH 45246
800-543-4455 DRAWING TILE HEAVY DUTY OUT—SWING IMPACT DOORS F200H NARROW STILE HEAVY DUTY OUT—SWING IMPACT DOORS

DRAWN BY: W.W.S. PLOT: 1=24

CHECKED BY: W.W.S. DATE: 01/23/17

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (RGC. NO. F-14980)
71450 I SOHT COURT NORTH
PAUM BEACH GARGENS, ROSTANTS
PHONE, 561-7744-3424

JAN 23 2017

DRAWING NO. RI 1925T SHEET NO. 7 OF 7